

# CLASS SYLLABUS



COURSE TITLE: PRAC 290: CORE Sonography Competency  
CLASS SECTION: DX01  
TERM: W2023  
COURSE CREDITS: 3  
DELIVERY METHOD(S): Blended

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.  
Learn more about Camosun's [Territorial Acknowledgement](#).

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<https://camosun.ca/about/covid-19-updates>

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*Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.*

## INSTRUCTOR DETAILS

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NAME: Bridget Mavety  
EMAIL: [MavetyB@camosun.ca](mailto:MavetyB@camosun.ca)  
OFFICE: CHW 317  
HOURS: By Appointment

*As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.*

## CALENDAR DESCRIPTION

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During this clinical practicum in Sonography, students enhance their practice capabilities in hospital or community imaging environments under the supervision of qualified workplace professionals. Integrating knowledge from all previous theory courses, laboratory, simulation, and applied learning experiences, students learn to demonstrate national, entry-to-practice capabilities in CORE sonographic competencies in a variety of practice situations. Using feedback received from their designated workplace mentors and Camosun instructors, students examine and analyze their progress to improve future practice.

PREREQUISITE(S): C+ in all of HLSC 264, IST 120, MIDS 267, MIDS 281, MIDS 287, MIDS 297  
CO-REQUISITE(S): n/a  
PRE/CO-REQUISITE(S): COM in AHLT 288  
and one of: COM in PRAC 295, PRAC 296, PRAC 299

## COURSE DELIVERY

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ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture			
Seminar			

Lab / Collaborative Learning			
Supervised Field Practice	15	16	240
Workplace Integrated Learning			
Online	3	16	48
	<b>TOTAL HOURS</b>		<b>288</b>

## COURSE LEARNING OUTCOMES

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Upon successful completion of this course, a student will be able to:

- a) demonstrate professionalism in a variety of settings by adhering to sonography best practices, workplace protocols and procedures, and all school policies and guidelines.
- b) apply knowledge of CORE sonography competencies, procedures, human anatomy and physiology, pathology, professionalism, communication, and scientific principles to obtain optimal quality diagnostic images and generate accurate technical impressions.
- c) use best practices for managing patient and client interactions in a competent, safe, and responsible manner, with cultural humility while observing legal and ethical workplace standards.
- d) communicate effectively with patients and clients, other members of the public, and all members of the health care team while acting within the scope of a Diagnostic Medical Sonographer.
- e) recognize appropriate learning opportunities within the clinical practice setting to expand on and maintain clinical competence through reflective practice.
- f) consolidate sufficient knowledge of competency requirements and examination blueprints to identify and self-assess readiness to successfully complete CORE national certification examinations.

## COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

(also known as “sub-outcomes” or “learning objectives”)

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### Core Sonography Canada Competencies Encountered

- 1.1a Identify self to patient.
- 1.1b Adapt communication in response to patient and situation.
- 1.1d Communicate with patient throughout examination, in manner appropriate to patient’s ability to understand.
- 1.1e Explain examination procedure to patient.
- 1.1f Question patient to obtain relevant information regarding history and condition.
- 1.1g Communicate departmental reporting procedures to patient.
- 1.1h Respond to patient questions or concerns.
- 1.1i Communicate with patient's relatives and / or support persons.
- 1.1j Communicate with other health care professionals.
- 1.1k Use medical terminology and standard abbreviations in oral communication.
- 1.2a Verify written, authorized directions for examination.
- 1.2b Record accurate and relevant medical history.
- 1.2c Record examination procedures and results.
- 1.2d Ensure that documentation is timely, accurate, concise and complete.
- 1.2e Write medical terminology and standard abbreviations.
- 1.3a Use appropriate body language.
- 1.3b Respond appropriately to non-verbal behaviours.
- 2.1c Adhere to institutional policies and procedures.
- 2.1e Maintain patient privacy and confidentiality.
- 2.1f Ensure informed patient consent.

- 2.2a Verify patient's identification.
- 2.2b Verify requested procedure correlates with patient's clinical history and presentation, and address concerns as appropriate.
- 2.2c Evaluate patient preparation for requested examination.
- 2.2d Practice within limits of personal knowledge, skill and judgement.
- 2.2e Ask for guidance where appropriate.
- 2.2f Evaluate for contraindications to procedure and address as appropriate.
- 2.2g Identify and respond to exceptions from established protocols and procedures.
- 2.2h Identify and respond to urgent sonographic findings.
- 2.2i Accept responsibility for decisions and actions.
- 2.3a Maintain professional appearance and manner.
- 2.3b Provide care for patient in a manner that is respectful of individual diversity.
- 2.3e Share knowledge with patients, colleagues, students and other members of health care team.
- 2.3f Provide and receive feedback in a professional manner.
- 2.3g Manage time and workload efficiently.
- 2.3h Demonstrate reliability.
- 2.3i Demonstrate adaptability.
- 2.3j Participate in patient education.
- 2.4a Critically appraise performance and set goals for self-improvement.
- 2.4b Review professional literature and assess relevance to practice.
- 2.4c Demonstrate awareness of need for continuing professional development.
- 3.1b Assess patient's ability to tolerate examination.
- 3.1d Employ universal precautions for infection control.
- 3.1e Assess and monitor patient's physical and mental status prior to and during examination and respond.
- 3.1f Create an environment that protects patient dignity.
- 3.1g Determine need for additional personnel to assist in examination.
- 3.1h Perform examination in a timely manner.
- 4.1a Select optimum system and transducer for examination considering patient's age and size, structures being examined and specific indications for examination.
- 4.1b Determine and select correct pre-set values.
- 4.1c Input patient data.
- 4.2a Orient and manipulate transducer.
- 4.2c Monitor output display indices and adjust power output in accordance with "as low as reasonably achievable" (ALARA) principle.
- 4.2d Adjust instrument controls to optimize image.
- 4.2e Identify artifacts.
- 4.2f Record patient position and plane of section on images, as required.
- 4.2g Use software calculation packages.
- 5.1a Interpret history, signs & symptoms and other relevant information.
- 5.1b Assess medical history and health status.
- 5.1c Modify scope of examination based on clinical history.
- 5.1d Formulate sonographic scanning strategies.
- 5.1e Integrate knowledge of anatomy and disease processes.
- 5.3a Select optimal acoustic window.
- 5.3b Optimize patient position.
- 5.3c Employ breathing techniques.
- 5.3d Interrogate anatomy in required planes of section.
- 5.3e Evaluate images for orientation, identification, and labeling.
- 5.3f Evaluate images for quality.
- 5.3g Recognize sonographic appearance of normal structures.
- 5.3h Recognize artifacts and normal variants.
- 5.3i Differentiate artifact and normal variants from anatomic and pathologic findings.

- 5.3j Recognize and investigate abnormal findings.
- 5.3k Modify examination based on sonographic evidence, clinical information, resource implications and other contextual factors.
- 5.3l Ensure all applicable components of examination are complete
- 5.3m Recognize equipment limitations.
- 5.3n Recognize technical limitations.
- 5.4a Produce diagnostic data documenting sonographic findings.
- 5.4b Formulate impression based on findings.
- 5.4d Use spatial reasoning to interpret images.
- 5.4e Identify and prioritize differential findings.
- 5.4f Document limitations to exam quality and completeness.
- 5.4g Provide a technical impression to reporting physician.
- 6.1a Maintain clean and orderly work area.
- 6.1b Recognize hazardous conditions in the work area and respond.
- 6.1c Maintain awareness of fire and disaster plans.
- 6.1d Locate emergency equipment.
- 6.2a Employ proper body mechanics when transferring, positioning or transporting patient.
- 6.2b Practice ergonomic techniques.
- 6.2c Engage in practices to promote own physical and environmental safety.

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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### Required Documents

N/A this course is delivered asynchronously in an online format.

### Online Course Content

Desire-to-Learn (D2L) contains the remainder of the instructional materials for this course. Students are expected to familiarize themselves with the online learning environment and access these materials on an ongoing basis throughout the course.

### External Resources

Additional materials include Health Authority/Departmental policies and procedures pertaining to each clinical placement site. The Camosun Clinical Liaison and or site workplace Clinical Preceptor may assign materials to read/orientation activities to complete in preparation for working in Medical Imaging that are only available to students placed at their location.

## COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

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The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

In this course, students will participate in self-directed learning activities to enhance their understanding of the Core Sonography Canada based competencies. This course is designed to compliment the speciality based competencies that are being assessed concurrently in either PRAC 295, PRAC 296 or PRAC 299. Students will reflect on their clinical experiences to date and develop their understanding of the key principles that make a successful sonographer.

Communications will be sent via the course News Feed on D2L. It is the student's responsibility to set up their notifications and/or check the course News Feed on a daily basis. Online discussion areas will be set up for questions and ongoing discussion topics.

Week	Description	Learning Outcomes	Sonography Canada Competencies
1-4	<ul style="list-style-type: none"> <li>Practice maintaining professionalism while providing patient care and communicating effectively</li> <li><b>Assignment #1 due Sunday February 5<sup>th</sup> at midnight</b></li> </ul>	a, b, c	See competencies, above
5-14	<ul style="list-style-type: none"> <li>Recognize and reflect upon learning opportunities in the clinical setting</li> <li><b>Assignment #2 due Sunday April 16<sup>th</sup> at midnight (must be completed in week 14)</b></li> <li>Prepare to write the Knowledge Assessment tests</li> <li><b>Required Knowledge Assessments must be completed by Sunday April 16<sup>th</sup> at midnight</b></li> </ul>	b, e, f	

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines scan be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

## STUDENT EVALUATION

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Students must receive a Complete in the following activities in order to pass this course:

DESCRIPTION	WEIGHTING
Assignment #1	COM
Assignment #2	COM
Core Knowledge Assessment	COM
Specialty Knowledge Assessment	COM
<b>TOTAL</b>	<b>COM</b>

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the [Grade Review and Appeals](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information. <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

## COURSE GUIDELINES & EXPECTATIONS

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TBD by Instructor

## SCHOOL OR DEPARTMENTAL INFORMATION

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Health & Human Services Student Handbook: <http://camosun.ca/learn/school/health-human-services/student-info/index.html>

General Practicum Information: <http://camosun.ca/learn/school/health-human-services/student-info/practicum-info.html>

Allied Health & Technologies Department Handbooks:

- Certified Medical Laboratory Assistant: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/cmla.html>
- Diagnostic Medical Sonography: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/sono.html>
- Medical Radiography: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/mrad.html>

Students enrolled in Allied Health & Technologies Programs must achieve a minimum of 65% or a “COM” in each of their courses in order to use their course as a pre-requisite and progress in their program.

Students enrolled in Allied Health & Technologies Programs must participate in learning activities that include intimate and direct personal contact with their classmates during supervised practice. Students are training to perform the duties of a healthcare professional. These duties usually require constant, close physical contact with patients and clients. Students may be required to simulate and perform these activities on one another during this course. Students may also be required to use special hygiene practices and protective gear to protect themselves from the transmission of communicable diseases (like COVID-19). Risks associated with learning and performing the physical duties of a healthcare profession cannot be entirely eliminated by any amount of caution or protection. Students who refuse, or are incapable of participating and performing these activities due to personal or medical limitations, may only continue to participate in their course work when supported by officially registered accommodations or temporary medical advisory.

## STUDENT RESPONSIBILITY

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Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

## SUPPORTS AND SERVICES FOR STUDENTS

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Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Support Service	Website
Academic Advising	<a href="http://camosun.ca/advising">http://camosun.ca/advising</a>
Accessible Learning	<a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a>
Counselling	<a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>

Support Service	Website
Career Services	<a href="http://camosun.ca/coop">http://camosun.ca/coop</a>
Financial Aid and Awards	<a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>
Help Centres (Math/English/Science)	<a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>
Indigenous Student Support	<a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>
International Student Support	<a href="http://camosun.ca/international/">http://camosun.ca/international/</a>
Learning Skills	<a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>
Library	<a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>
Office of Student Support	<a href="http://camosun.ca/oss">http://camosun.ca/oss</a>
Ombudsperson	<a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>
Registration	<a href="http://camosun.ca/registration">http://camosun.ca/registration</a>
Technology Support	<a href="http://camosun.ca/its">http://camosun.ca/its</a>
Writing Centre	<a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a>

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

## COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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### Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

### Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

### Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

### Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

### Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

### Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

### Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

### Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

### Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and [camosun.ca/sexual-violence](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto:oss@camosun.ca) or by phone: 250-370-3046 or 250-370-3841



### Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

**Changes to this Syllabus:** Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.